

AXMINSTER
TOOL CENTRE

AWHBS250N

Bandsaw



211532

User Manual

W
AXMINSTER
WHITE



Axminster Reference No: **AWHBS250N**

www.axminster.co.uk

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SAFETY!!

The symbols shown on the cover of this manual advise that you wear the correct safety protection when using this machine.



Safety Protection Symbols



Copled from CE Certificate

The undersigned, *Alister* authorised
by Laizhou Chunlin Machinery Co., Ltd.
NO. 1 Fuqian East Road
261400 Laizhou, Shandong
PEOPLE'S REPUBLIC OF CHINA
declares that this product:

Bandsaw with manual un-/loading

MJ3425

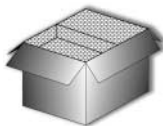
manufactured by Laizhou Chunlin Machinery Co.is in
compliance with the following standards or standardisation
documents in accordance with Council Directives

98/37/EC



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What's in the Box...



Model Number:

MJ3425

1 No. Bandsaw

1 No. Bandsaw blade 1790mm long 6" TPI Skip

(Mounted on in the saw... not tensioned)

1 No. Saw Table

1 No. Guide Fence

1 No. Mitre Guide

1 No. Table Insert

1 No. Floor Cabinet comprising:-

2 No. Top Supporting Plate

2 No. Top Connecting Plate

2 No. Side Connecting Plate

2 No. Side Plate

4 No. Rubber Feet

1 No. Packet containing,

36 No. M6 x 12 Hex Bolt

36 No. M6 Hex Nut

72 No. M6 Washer

1 No. Instruction Manual

1 No. Guarantee Card

Having unpacked your saw (see below) and its accessories please dispose of any unwanted packaging properly. The cardboard packaging is biodegradable.



General Instructions for 240v Machine...



Good Working Practices/Safety

The following suggestions will enable you to observe good working practices, keep yourself and fellow workers safe and maintain your tools and equipment in good working order.



WARNING!!

KEEP TOOLS AND EQUIPMENT OUT OF THE REACH OF YOUNG CHILDREN

Primary Precautions

These machine are supplied with a moulded 13 Amp. Plug and 3 core power cable. Before using the machine inspect the cable and the plug to make sure that neither are damaged. If any damage is visible have the tool inspected/repared by a suitably qualified person. If it is necessary to replace the plug, it is preferable to use an 'unbreakable' type that will resist damage on site. Only use a 13 Amp plug, and make sure the cable clamp is tightened securely. Fuse as required. If extension leads are to be used, carry out the same safety checks on them, and ensure that they are correctly rated to safely supply the current that is required for your machine.

Work Place/Environment

Make sure when the machine is placed that it sits firmly on the floor, that it does not rock, that it is sufficiently clear of adjacent obstacles so that cutting operations will not be impeded. Check you have adequate clearance both in front of, and behind the machine when cutting long stuff. If you are liable to be processing unwieldy or awkward work pieces, it is suggested that you consider fastening the machine down to the floor.

The machine is not designed for sub-aqua operation, do not use when or where it is liable to get wet. If the machine is set up in the open, and it starts to rain (unusual though this would be in U.K.), cover it up or move it into the dry. If machine has got wet; dry it off as soon as possible, with a cloth or paper towel. Do not use 240V a.c. powered machines anywhere within a site area that is flooded or puddled, and do not trail extension cables across wet areas. Keep the machines clean; it will enable you to more easily see any damage that may have occurred. Clean the machine with a damp soapy cloth if needs be, do not use any solvents or cleaners, as these may cause damage to any plastic parts or to the electrical components.

Keep the work area as uncluttered as is practical, this includes personnel as well as material.



UNDER NO CIRCUMSTANCES SHOULD CHILDREN BE ALLOWED IN WORK AREAS.

It is good practice to leave the machine unplugged until work is about to commence, also make sure to unplug the machine when it is not in use, or unattended. Always disconnect by pulling on the plug body and not the cable. Once you are ready to commence work, remove all tools used in the setting operations (if any) and place safely out of the way. Re-connect the machine.

Carry out a final "tightness" check e.g. guide fence, table tilt, etc., check that the 'cutting path' (in this case; the path that the work piece will travel) is unobstructed.



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General Instructions for 240v Machine...

Make sure you are comfortable before you start work, balanced, not reaching etc.



If the work you are carrying out is liable to generate flying grit, dust or chips, wear the appropriate safety clothing, goggles, gloves, masks etc. If the work operation appears to be excessively noisy, wear ear-defenders. If you wear your hair in a long style, wearing a cap, safety helmet, hairnet, even a sweatband, will minimise the possibility of your hair being caught up in the rotating parts of the tool, likewise, consideration should be given to the removal of rings and wristwatches, if these are liable to be a 'snag' hazard. Consideration should also be given to non-slip footwear, etc.

DO NOT work with cutting tools of any description if you are tired, your attention is wandering or you are being subjected to distraction. A deep cut, a lost fingertip or worse; is not worth it!

DO NOT use this machine within the designated safety areas of flammable liquid stores or in areas where there may be volatile gases. There are very expensive, very specialised machines for working in these areas, **THIS IS NOT ONE OF THEM.**

CHECK that blades are the correct type and size, are undamaged and are kept clean and sharp, this will maintain their operating performance and lessen the loading on the machine. Above all, **OBSERVE....** make sure you know what is happening around you, and **USE YOUR COMMON SENSE.**

Initial Assembly...

Your saw is packed in the box partially assembled. Unfortunately this is more of an exercise to ensure that the components are inserted in the correct positions than a shortening of the build time. e.g. the blade is fitted, the securing bolt for the tilt mechanism is inserted in the tilt quadrant with the washer and the locking butterfly nut threaded on to the bolt, etc.

Please make careful note of the positions of the various components if you have cause to disassemble whilst putting the machine together. (Now there's an oxymoron).

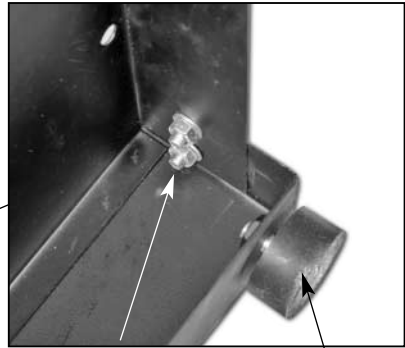
Take all the easily removable items out of the box, tip the box up so that the base of the saw is to the ground, remove all the polystyrene packaging from around the saw (open both sides of the box?) then "corner walk" the saw out of the box. If this is still awkward, split the top of the box, fold the box material flat on the floor, and "wriggle" the saw off the cardboard. (The best method of moving the saw is with a 'hug' lift through the neck of the saw, holding the saw back against your body and lifting by straightening your legs).



Cabinet



Step 1



M6 x 12 bolts and
washers

Rubber foot

Base

Support plate

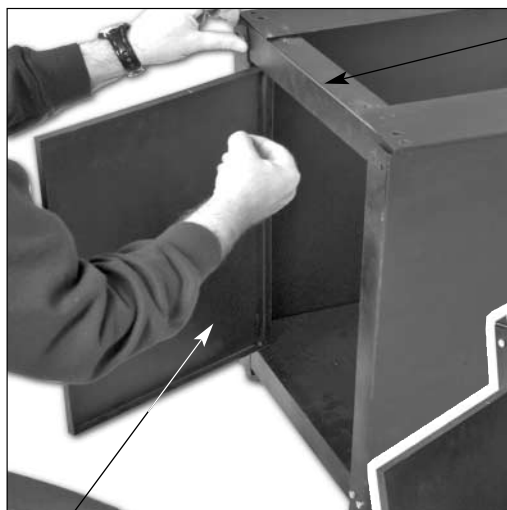


Step 2

Both side support plates assembled



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Connecting plate

Door



Step 3

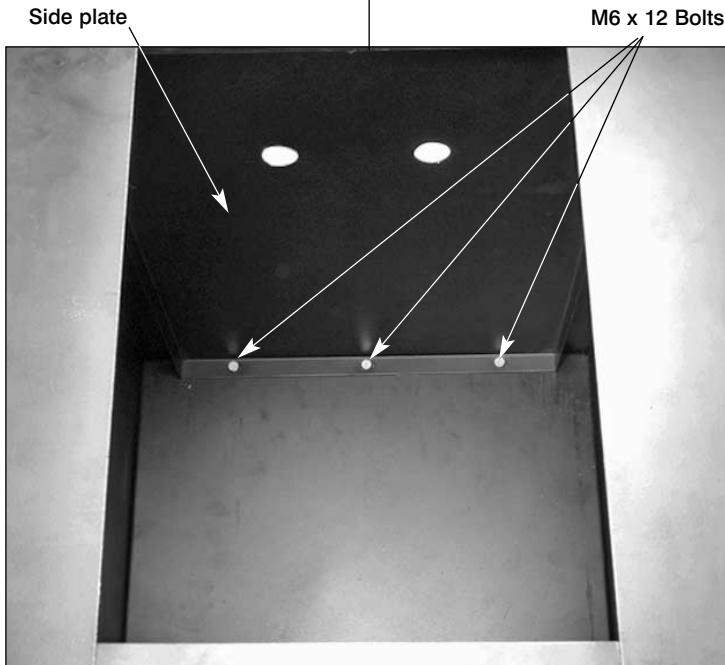


Lower hinge pin





Step 3

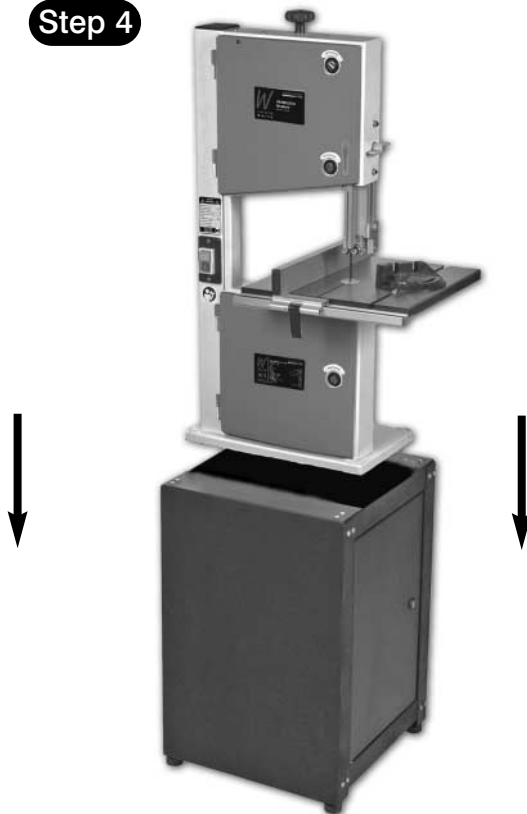


Fit the remaining side and connecting plate using
M6 x 12 nuts bolts and washers



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Step 4



Lift the saw on to the completed cabinet, and secure using the 4 No. M8x40 bolts. (Insert the bolts through the base of the saw, through the floor stand and fit the washers and nuts on the underside). The saw table can be fitted without removing the blade. However, if you would feel more comfortable not having to manoeuvre the table around the blade, remove the blade by opening the top and bottom covers, release the tension on the blade by backing off the tensioning knob (See fig 1), and remove the blade, taking care as it is manoeuvred clear of the guides and the safety guards.

NOTE: If you are going to remove the blade, prior to this you must check, and if necessary, set the lower blade guide assembly about the blade. The assembly is mounted in a small housing that is bolted to the main frame. It is locked in position by a hex socket grub screw that is extremely difficult to access when the table is fitted. Check that the assembly is set evenly about the blade.

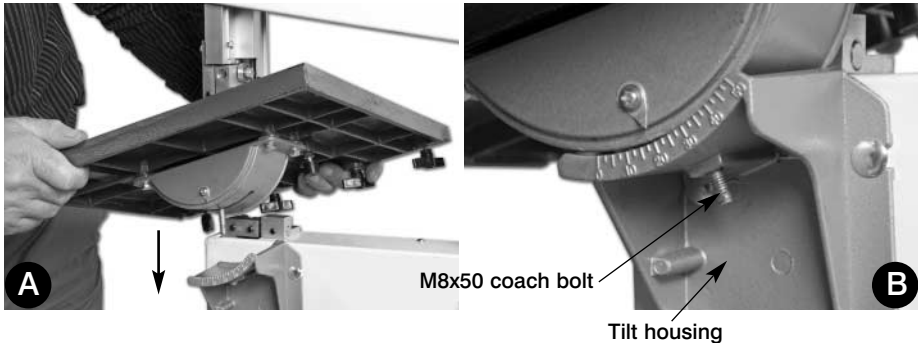


When mounting the bandsaw, we strongly advise you get the assistance of another person because of the weight.

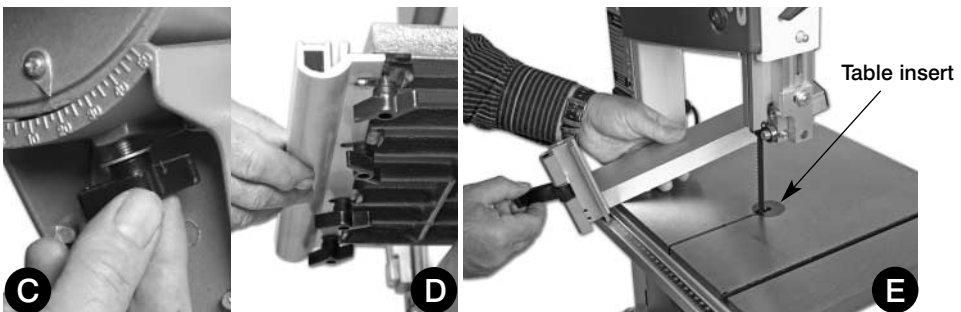
Fitting the saw table :-

1.Remove the table insert, the table fence, the table stabilising bolt and butterfly nut & washer (if fitted). (See figs 1 & 10)

2.Manoeuvre the table carefully around the blade (if still fitted). Balance the table on the edge of the tilt housing.The securing bolt for the tilt mechanism (an M8x50 coach bolt) is pre-fitted into the tilt quadrant. Remove the butterfly nut and the washer and fit the tilt quadrant into the tilt housing. Ensure that the bolt is correctly inserted through the slot and that the little rib cast on the tilt housing corresponds to the groove in the tilt quadrant. Check that the square under the bolt head is correctly located in its recess in the casting and refit the washer and the butterfly nut. (See fig A,B & C)



NOTE: Before tightening, check that the tilt mechanism functions correctly. If it doesn't, something is probably slightly mis-aligned, slacken off the butterfly nut, re-position the quadrant and try again. When everything is satisfactory, set the table flat, and tighten the tilt mechanism.



3. Replace the blade (if it had been removed), slipping it through the slot in the table, through the guards and the guides and over the wheels; apply some tension to the blade to hold it in place.

4.Replace the table insert, the table stabilising bolt, the table fence & butterfly nuts. (See figs D & E).

Locate the guide fence and slot the clamp lever assembly over the table fence and press down guide fence clamping lever to lock the guide fence in place. (See fig E).

Specification...

Axminster No.	AWHBS250N (211532)
Motor	240V a.c. 50Hz, 1400 rpm. 370W
Wheel Diameter	254mm
Blade Speed (double speed)	660/960 M/min
Max Cutting Depth:	120mm
Max Cutting Width:	245mm
Max Cutting Width with Fence:	145mm
Blade Length:	1790mm
Blade Width:	6mm (1/4") to 13mm (1/2")
Table Size:	340 x 340mm
Table Tilt:	minus 5 to + 45° degrees
Table Height on Bench:	370mm
Table Height on Stand:	990mm
Dust Extraction Outlet:	63mm
Overall Size L x W x H:	420 x 410 x 1500mm
Noise Level	<80db (A)
Weight	43.5 kg

Please read the Instruction Manual prior to using your new machine; as well as the operating procedures for your new machine, there are numerous hints and tips to help you to use the machine safely and to maintain its efficiency and prolong its life. Keep this Instruction Manual readily accessible for any others who may also be required to use the machine.

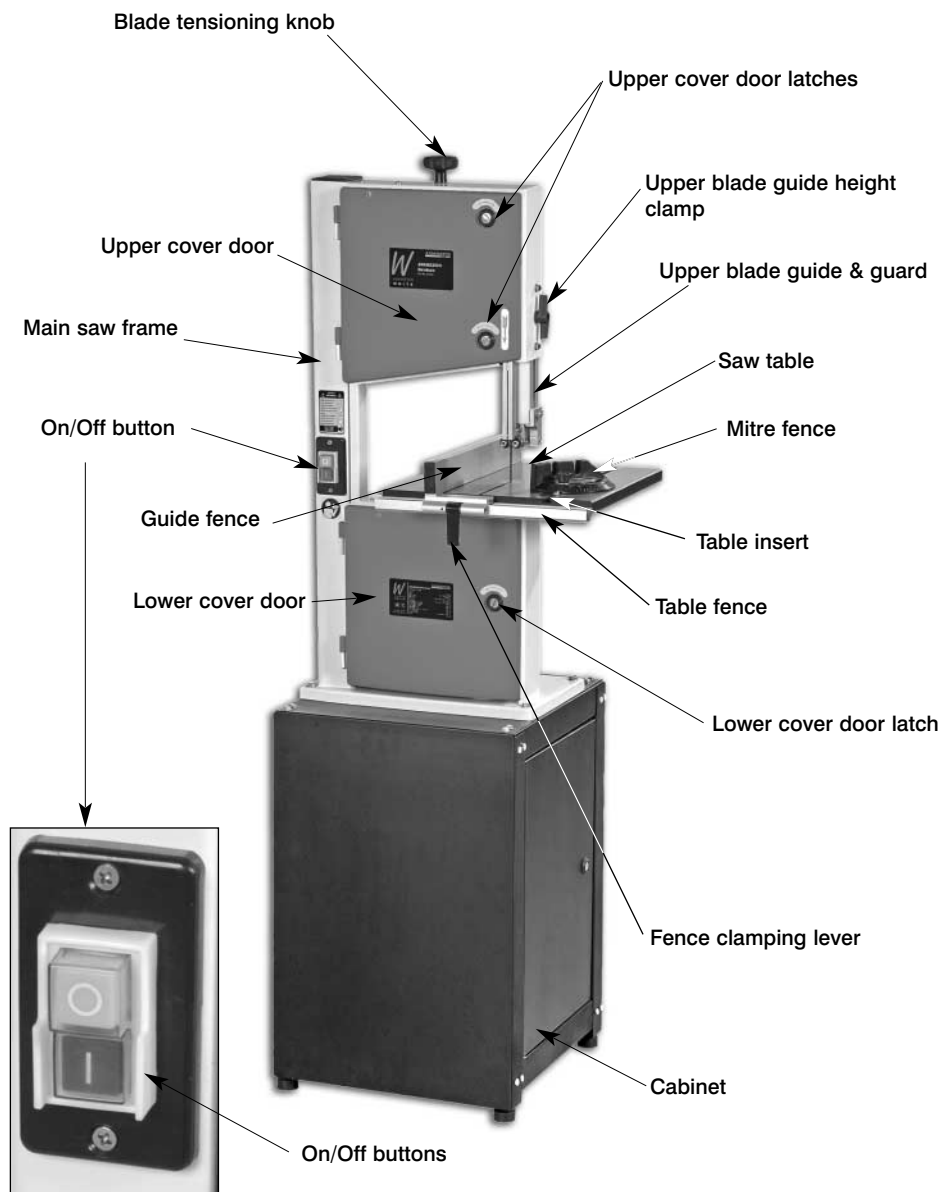
Please read though the section entitled Identification and Description of parts of the Saw, as this will ensure that you will understand our references during the assembly and setting up phases.

Identification and Parts Description...

- Main saw frame** The main body of the machine that all the other parts are mounted upon.
- Upper and lower cover doors** The two doors that cover the upper and lower saw wheel compartments. There are interlocks fitted to both doors so that the machine can not operate if either door is left open.
- Upper saw wheel** The upper saw wheel is mounted on double bearings on an axle that is mounted to a tilting plate. (To provide the fore and aft tilt movement that controls the blade tracking). The tilting plate is hinged to a yoke. The extended ends of the hinge pin also act as guides in slots in a bracket mounted in the rear of the upper saw wheel compartment.

(Front View)

Fig 1



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Identification and Parts Description...

Upper saw wheel (Continued)

(The yoke is driven up or down allowing increasing or decreasing of the blade tension). The saw wheel is fitted with a rubber tyre to give better grip to the saw blade, and smoother running. It also allows the blade to be tracked in the centre of the wheel; unlike the bad old days when the blade had to be tracked off the front edge of the wheel to safeguard the teeth.

Blade tensioning knob

The blade tensioning knob, at the top of the machine, has an anchored threaded tube connected to it. A bolt passing through the shoulder of the yoke is threaded into the tube. As the knob is turned, so the bolt (and the yoke) is moved up or down and tensions or de-tensions the blade.

Upper blade guide and guard

The upper blade guide assembly mounts the two side bearings and the rear thrust bearing that keep the blade stable (straight and untwisted) above the table during the sawing operation. The guard is an integral part of the guide mounting leg to which the guide assembly is bolted so it is always in place when the guide is raised or lowered to its working position.

Upper blade guide height clamp

The upper blade guide height clamp is a butterfly nut and coach bolt arrangement that clamps through the guide mounting leg and the main saw frame. So, loose it will allow the mounting guide leg to be moved up and down, tightened it will clamp the leg in position against the frame.

Saw table, tilt assembly and scale

The saw table is mounted on the tilt quadrant, which is, in turn mounted in the quadrant housing and secured via a coach bolt and butterfly nut arrangement. Loosening the butterfly nut allows the table to be tilted up to 45 degrees clockwise (See Fig 4,4a). There is a hole in the frame under the table, into which a bolt with a pair of lock nuts could be fitted to act as a pre-set stop when bringing the table back to the level position. Without this bolt fitted the table can be tilted to 5 degrees anti-clockwise. There is a scale and pointer attached to the rear of the quadrant and the housing to measure the angle to which the table has been tilted. There is a slot machined in the table to accept the slide of the mitre fence. There is also a machined recess into which a Measuring Scale Decal is fitted. (See Fig 5)

Saw table insert

The saw table insert fits into the round recessed groove in the centre of the table (See Fig 8). It not only fills the round void, it also supports the work piece below the saw in order to minimise 'breakout' from the sawcut. The table insert that is supplied is for general work, and as such has a fairly wide slot, to allow the fibre strands from general redwoods and whitewoods to be carried through by the saw blade. Alternative table inserts with much narrower slots should be made when carrying out very fine work, where the breakout must be kept to a minimum.

Lower blade

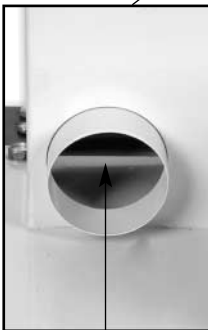
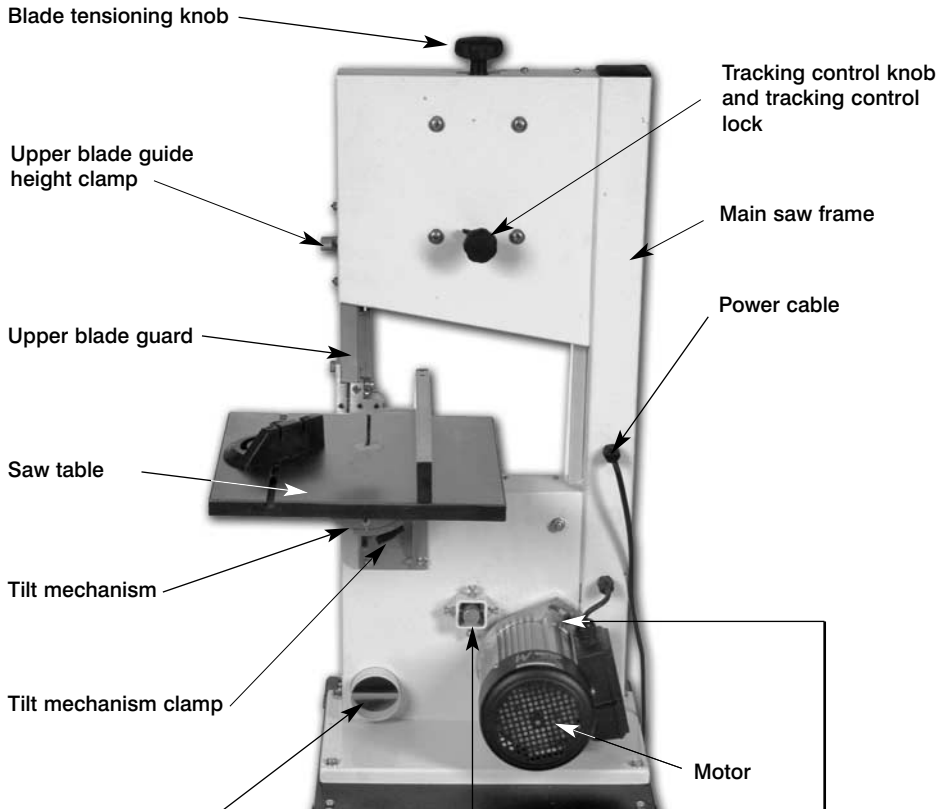
The lower blade guide assembly is mounted on the main saw frame below the table, it mounts two side guide bearings that help to keep the blade stable (straight and untwisted) below the table during the sawing operation (See Fig 9).

Guide fence

The guide fence is mounted over the front and rear edge of the table. It is clamped in position by the lever handle protruding from the front edge of the guide (See Fig 5).

(Back View)

Fig 2



Dust Extraction outlet



Lower wheelmounting



Motor clamping bolt



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**Guide fence
(Continued)**

The clamping action is such that both the front and rear of the guide are clamped to the table, ensuring that the guide fence is held rigidly during the cutting operation.

**Table stabilising
bolt and
butterfly nut**

When the table was cast it was a pretty stable lump, however, weathering, machining, drilling and boring etc set up varying stresses in the table which, if given the opportunity, (like with a long slot cut across more than half its width) will cause the table to 'move'. To counteract this possibility a small housing is machined at the front of the slot into which the stabilising bolt is fitted and clamped with the butterfly nut. This ensures that the two most vulnerable parts of the casting are clamped together in a single plane, to prevent warping and twisting (Unseen).

Mitre fence

The mitre fence slide can be engaged in the slot in the saw table, and acts as an X-feed device, which will enable any angle from right to 45 degrees left or right to be cut with the saw (See Fig 6).

**Tracking control
star knob**

The tracking control star knob, at the rear of the top compartment, is connected to a threaded rod that is engaged in a threaded hole in the mounting bracket of the upper saw wheel axle assembly. The end of the rod pushes against the lower end of the hinged tilting plate that carries the upper saw wheel axle. Driving the rod in or out will cause the plate to tilt, and by association, the upper saw wheel, thus enabling the blade to be 'tracked'. The tilting plate is kept in contact with the end of the threaded rod by the tension on the saw blade, (the downward 'pull'). It should be self-evident therefore, that the blade can only be 'tracked' whilst it is in tension.

**Tracking control
lock**

A butterfly nut that locks the tracking control in position once correct tracking has been established (See Fig 2).

**Lower saw
wheel**

The lower saw wheel and integral pulley wheel is likewise mounted on double bearings, onto an axle that is housed in an adjusting 'box trap' mounting. This box trap is used to set the Lower Saw Wheel to DATUM. It is the base parameter that the rest of the saw is set against. It is highly recommended that, except in the most dire of circumstances, you **DO NOT ALTER** the factory setting.

**Motor clamping
bolt slot**

The drive belt is tensioned by turning the motor against a fixed point, pulling the belt tight and then locking the motor in position with its clamping bolt. During the turning operation the clamping bolt moves within the slot that is machined into the motor mounting flange plate.

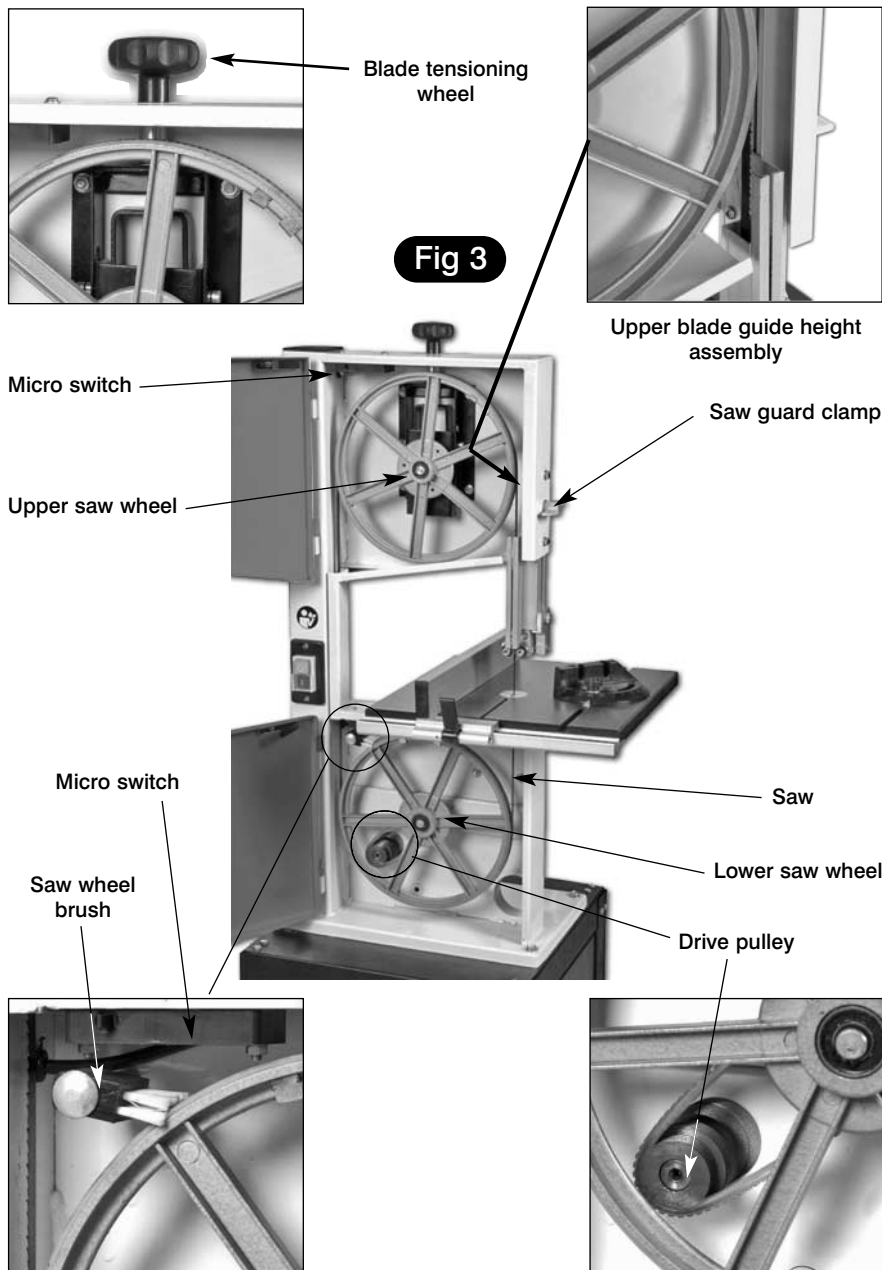
**Dust extraction
outlet**

An 80mm diameter dust extraction outlet (See Fig 2 Backview).

**On/Off Button
and switch
shroud**

The On/Off buttons, controlling an NVR switch. The green 'I' is the 'on' button, the red 'O' is the off button (See Fig 1 Front view).





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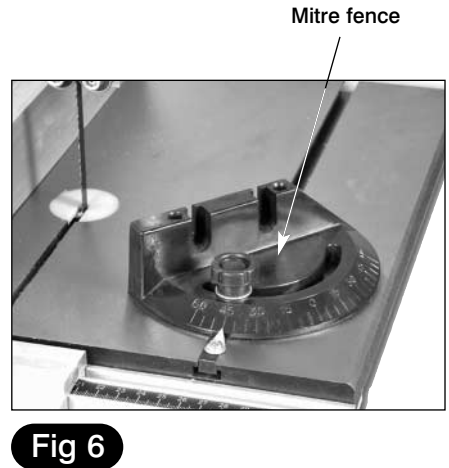
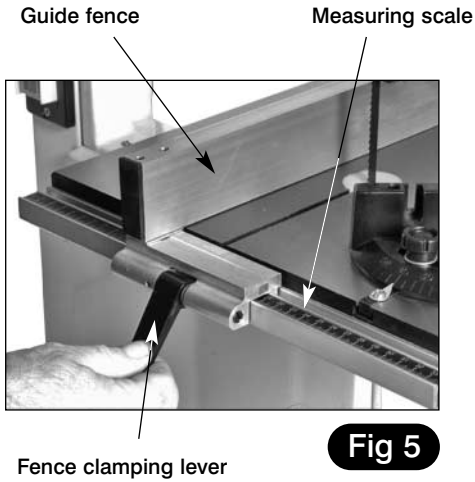
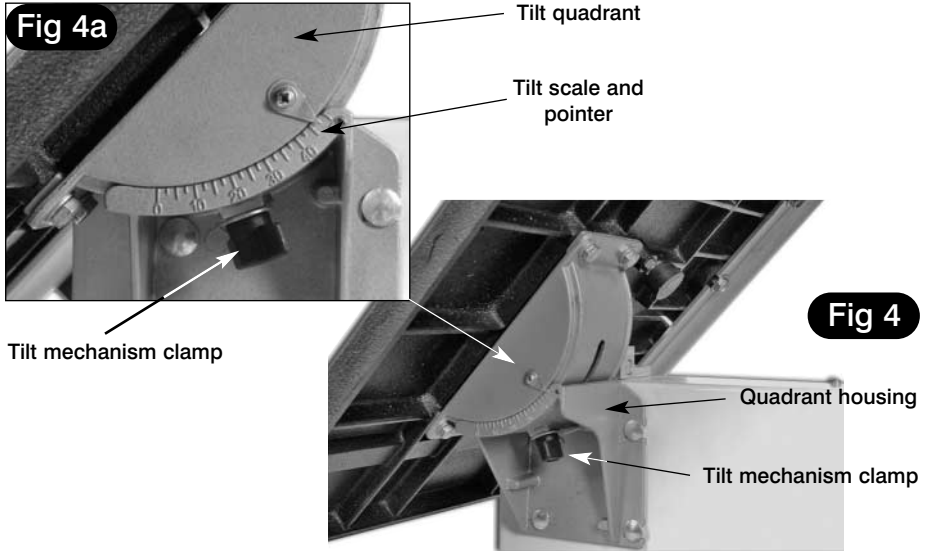


Fig 7

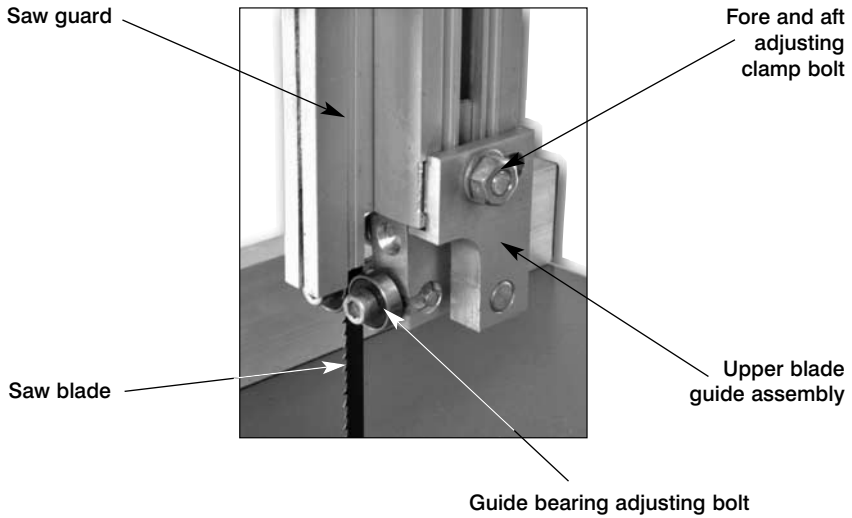


Fig 8

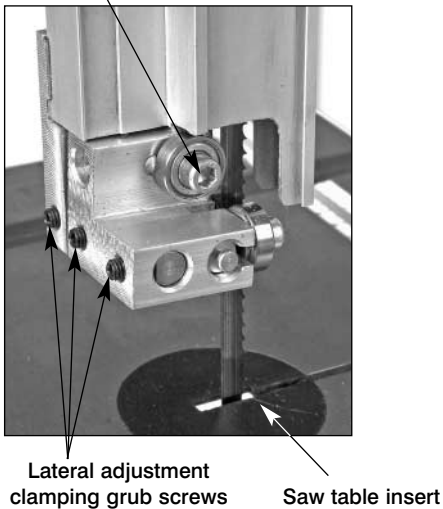
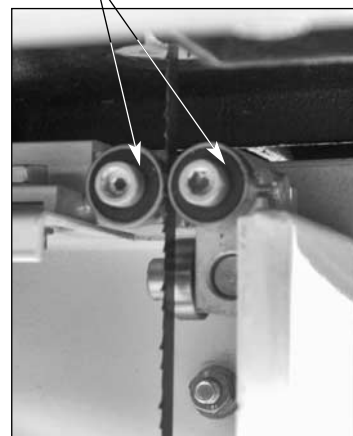


Fig 9



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Fig 10



Guide fence clamp

Table stabilising bolt
and butterfly nut

Measuring scale

Fig 11



Upper cover door latch

Upper blade guide height clamp





DISCONNECT THE SAW FROM THE MAINS SUPPLY

Work Place/Environment

Make sure both top and bottom blade guides are well clear of the blade.

Open the front covers fully, giving good access to the top compartment of the saw and good visibility into the bottom compartment. Check that the blade is sitting approximately in the middle of the wheels. Apply some tension to the blade by turning the tensioning wheel clockwise. Spin the top wheel by hand, and check that the blade remains centrally on the tyre, if it does not, loosen the tracking control lock and adjust the tracking by turning the tracking control at the rear of the Upper Saw Wheel compartment. (Viewed directly onto the tracking control wheel, turning clockwise should cause the blade to track to the rear of the tyre, anti-clockwise to the front. **(DO NOT make large adjustments)**). Spin the top wheel again, check again. Continue until the blade tracks in the centre of the tyres with no appreciable to and fro movement. Tension the blade fully. (A side ways push of about 7-8 lbs(3+kgs) in the middle of the blade should allow a 1/4", (6.5mm) distension). Check the tracking again, adjust if necessary. Check that the drive belt is tensioned correctly, if it is slack, apply tension as follows:- loosen the pivot bolt at the bottom of the motor mounting flange plate. Thoroughly loosen the clamping bolt above the motor. Tension the belt by turning the motor away from the saw wheel pulley. When the belt is tensioned, tighten the clamping bolt through the motor mounting flange plate to hold the motor in position, then tighten the pivoting bolt, ensure both bolts are tightened securely. **Do not overtighten.**

Connect the power to the machine. Stand clear and start the saw, check that the saw is running smoothly, (no thumps, bumps, knocking or excessive vibration) and the blade appears to be tracking correctly (in one place). You can check this by holding a marker, e.g. a pencil, close to the back of the blade (approach from the back of the blade only) and check that the gap remains constant. If it doesn't, adjust the tracking until it does. (If you adjust the tracking with the saw running, make very small adjustments and wait for the saw to react before you adjust again, sometimes the reaction is not instantaneous). Once you are satisfied that the tracking is correct switch the machine off and allow it to run to a stop. Retighten the tracking control lock.

Checking the table is square

If the pre-set table stop has been fitted, proceed as follows:-

Loosen the butterfly nut clamping the tilt mechanism, and turn the table hard against its stop. Tighten the butterfly nut. Make sure the upper blade guide is raised as high as possible. Place a square on the table and move it up against the blade (behind the teeth). Check that the blade is perpendicular to the table. If it is not, try resetting the table. If it is still not correct, loosen the locking nut and adjust the bolt until perpendicularity is achieved, tighten the lock nut and then re-check. When you are satisfied that the table is set correctly, check that the pointer of the tilt gauge reads zero, if not, adjust it.

If the pre-set table stop has not been fitted proceed as follows:-

Loosen the butterfly nut clamping the tilt mechanism, and turn the table until the pointer on the scale reads against the zero. Tighten the butterfly nut. Make sure the upper blade guide is raised as high as possible. Place a square on the table and move it up against the blade (behind the teeth). Check that the blade is perpendicular to the table. If it is not, reset the table, until perpendicularity is achieved, tighten the clamp mechanism and then re-check. When you are satisfied that the table is set correctly, check that the pointer of the tilt gauge reads zero, if not, adjust it. Forthwith you will need to set the table square against the scale, but you do have the advantage of being able to tilt the table negatively, albeit only 5 degrees.

Setting the Fence...

The guide fence is mounted over the front and rear edge of the table. It is clamped in position by the lever handle protruding from the front edge of the guide (See Fig 5). The clamping action is effected by the lever which is attached to a rod which is in turn attached to the rear clamp. The lever motion pulls the rear clamp forward, thus trapping the table between the front and rear clamping pads, and ensuring that the guide fence is held rigidly during the cutting operation.

The pressure pads for this clamping action are a type of semi-hardened plastic; if they start to wear, the 'clamping distance' can be adjusted by rotating (it is on a screw thread) the clamping lever on the front of the guide, this will shorten the 'throw' of the rod. As there is no pre-set guide fence mounting rail, before commencing any cutting operations, it is advisable to check the 'right' of the guide fence by using a square off the front edge of the table.

Setting the Blade Guides...

The upper guide assembly has been factory set about the rear of the saw blade. Check that it is correctly in position, if necessary lateral adjustment can be carried out by loosening the hex socket grub screws that clamp the mounting rod through the assembly (See Fig 8). Lower the upper blade guide to approximately 1 1/2" (38mm) above the table. Clamp in place.

Loosen the nut holding the guide assembly in place (see fig 7) and adjust the back to front position so that the leading edges of the side guide bearings are approximately 1.5 mm behind the gullets of the saw blade. Re-tighten the bolt. Loosen the cap head bolt that clamps the rear thrust bearing in position (See fig 8) and adjust the thrust bearing to approximately 1mm behind the blade, re-tighten the bolt. Loosen the two cap head bolts holding the guide bearings (see fig7) and move to approximately 0.5 mm from each side of the blade. Re-tighten the bolts. Gently push the blade back against the thrust bearing (use a scrap of wood,) and check that the side bearings are still behind the teeth of the blade.

Loosen the nut holding the lower blade guide assembly in place and position similarly to the upper guide assembly. Re-tighten the nut. Adjust the lower side blade guides, and set them similarly to the upper guides, using an allen key to release and tighten the clamping bolts. When all adjustments have been made, recheck that when the blade is pressed back against the thrust bearing, both the upper and lower side guides are still behind the teeth of the saw. When all adjustments are complete replace the table insert. Re-connect the power, switch the saw on, allow to run for several minutes, check that the blade is still tracking correctly, there is no excessive vibration, etc. Switch off. The saw is ready to be used.



- 1.** Make sure you have read and fully understood the general instructions and safety precautions that are printed in the preceding pages of this manual.
- 2.** Before connecting the machine to the supply; check the tool for obvious signs of damage, paying particular attention to the plug and the power cable. Rectify or have rectified any damage you discover. Check that the blade you are using is the correct one for the job in hand. Change the blade if necessary. Check the blade is not damaged; is clean, sharp, tracks properly and is correctly tensioned.
- 3.** Set the upper blade guide to approximately 12mm (1/2") above the height of the workpiece.
- 4.** Check (especially on site), that there are no foreign objects e.g. old nails, screws, small stones etc. embedded in the material you are about to cut.
- 5.** Check that all accessories, tools etc., that have been used to set the machine up, are removed and set carefully aside or stowed away correctly.
- 6.** Ensure the machine is switched off. Plug the power cable into a correctly rated switched socket outlet. If extension leads are being used, check these for damage, do not use if damaged; if you are working outside, check that any extension cables in use are rated for outside work. Switch on. Allow the saw to run up to speed.
- 7.** Make sure that the material you are about to cut is within the machine capacity, and the cut you are about to make is within the blades' capabilities. e.g. Don't try and cut a 1" radius curve using a 5/8" blade.
- 8.** Make sure the blade is not in contact with the material when you start the saw. Start the cutting operation. Do not try to cut too quickly; the correct cutting speed, if one could be so precise, would never see the blade pushed back against the thrust bearing, the saw would cut and clear the saw line at the rate the workpiece was fed into it. If you notice that you require more and more pressure to effect the cut, and the blade is in continual contact with the thrust bearing, the chances are the blade is becoming blunt. Check and change if necessary. Do not let go of the workpiece, if you have to change your grip, make sure one hand is holding the material at all times.
- 9.** If you are cutting long pieces of material think about sawing cutouts (i.e. a saw cut from the edge of the material to the saw line) along the saw line so that you can discard the offcuts as you progress down the saw line.
- 10.** Observe the old woodworkers' adage of never allowing your hand/fingers within one handbreadth of the blade.
- 11.** If you have to cut very small pieces of material, arrange or manufacture some form of 'shoe' to carry the timber. If the workpiece is exceptionally small, find something to use as a sacrificial carrier and mount the workpiece on it with double sided tape, or similar.
- 12.** Remember to check the blade tension after a new blade has been 'working' for 30-60 mins. The blade will 'stretch' slightly when new.
- 13.** Do not release the tension on the saw blade when work is complete. The blades and the main saw frame do not respond kindly to frequent large changes in stress and tension. Only release the tension to change the blade or if the blade is to be removed because the machine is to be 'mothballed' for a lengthy time period. (The blade in tension over a long period of non-use will cause the tyres to develop 'flat' spots).

Operating Instructions Continued...

N.B. IF THE SAW JAMS! Switch off immediately. Open the saw cut, either by pulling apart or driving a wedge in close to the back of the blade. Try to wriggle the blade free of the saw, if this is not possible; check that the saw is free in the cut, start the saw, allow it to run up to speed and 'cut out' as quickly as possible. (The removal of the 'offcut' may well prevent the saw jamming again if you resume the original cut).

Changing the Saw Blade...



DISCONNECT THE SAW FROM THE MAINS SUPPLY

Put the table back to the level position if it has been tilted. Set the upper blade guide assembly approximately midway in the throat. Open the top and bottom covering doors. Remove the table insert. Remove the table stabilising bolt and butterfly nut. Slacken the blade tension by turning the blade tensioning wheel anti-clockwise, until the blade can be easily slipped off the wheels. Remove the blade carefully, "wriggling" it clear of the upper blade guard, and out through the slot in the table. NOW is an excellent time to clean out the interior of the machine, remove the impacted 'crud' from the tyres, apply a little light oil to the screw threads of the blade tensioner, and the tracking control. The pivots and the slides of the top wheel mounting assembly could likewise be lightly oiled. If you are fitting a new blade; it will have been supplied to you "folded", bound together in this configuration with tape or tie wrap. Be very cautious when you "unfold" the blade; it tends to 'spring' open, blade and teeth going everywhere.

Also check that the blade did not "unfold" inside out. i.e. looking at the right side front of the loop, the teeth should be on the front of the blade, and pointing down. If you can't arrive at this view, turn the blade inside out from its current position and look again. Hold the blade approximately midway on either side of the loop and feed into the table slot, when you get to the table insert cutout void, work the left side of the loop into the slot in the guard in the neck of the main saw frame. "Wriggle" the righthand side of the blade through the guard on the upper blade guide assembly. Ease the blade over the wheels, and locate the blade in both the upper and lower blade guides. Apply some tension to the blade. Turn the top wheel by hand to ensure the blade will not skip off the wheels and the blade is travelling in the blade guides. Apply a little more tension and check again by once again spinning the upper saw wheel by hand.

When you are sure that the blade is "ON" and stable, re-fit the table stabilising bolt and nut, re-fit the table insert and carry out the procedures as detailed in Setting up the Saw.



Daily

- Keep the machine clean.
- Check the saw blade for missing teeth and cracks in the fabric.
- Spray oil the bare metal surfaces.

Weekly

- Open the top & bottom wheel covers & clean out all saw dust.

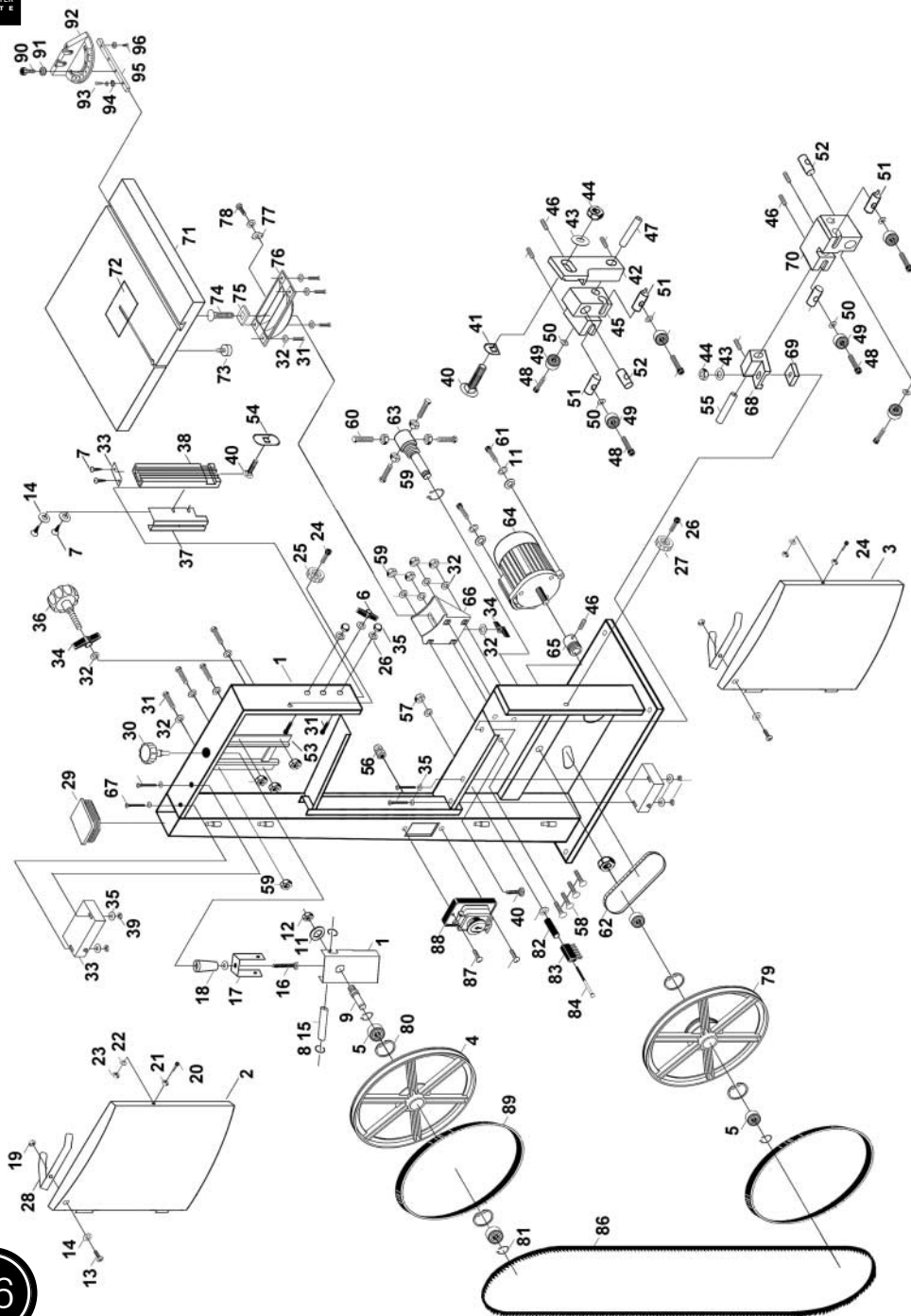
Monthly

- Open the lower & upper door and check the condition of the tyres & the drive belt.
- Clean impacted 'crud' from the tyres, apply a little oil to the screw threads of the blade and drive belt tensioners. **DO NOT USE OIL** near the belt.
- The pivots and the slides of the top wheel mounting assembly and the captive stub axle of the belt tensioner in its slot could likewise be lightly oiled.
- Using an air line (**and wearing goggles**) blow out the motor casing.



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Parts Breakdown for the Bandsaw...



Parts List for the Bandsaw...



NO.	Description	Q'TY	NO.	Description	Q'TY
1	Band saw frame	1	40	Carriage bolt M8×20	3
2	Upper door	1	41	Washer	1
3	Lower door	1	42	Mount blade guide	1
4	Upper wheel	1	43	Washer ø8	3
5	Bearing ball 80100	4	44	Hex. nut M8	5
6	Wing nut M8	1	45	Guide support upper large	1
7	Pan head tapping screw	4	46	Hex socket set screw M6×10	7
8	Ring	2	47	Upper guide shaft	1
9	Bearing bolt upper	1	48	Hexagon screw	6
10	Wheel carrier bracket	1	49	Bearing ball 80026	6
11	Washer	3	50	Washer ø5	6
12	Hex. nut	1	51	Adjusting shaft	4
13	Semicircle head screw M5×8	2	52	Mount shaft	2
14	Washer ø5	2	53	Tension angle	1
15	Shaft mount	1	54	Bolt guide plate	1
16	Carriage bolt	1	55	Lower guide shaft	1
17	Blade tensioner	1	56	Retainer	1
18	Tension rod	1	57	Hexagon nut	1
19	Hex. nut M5	2	58	Carriage bolt M6×16	4
20	Screw	2	59	Hexagon nut M6	12
21	Hex. nut M4	2	60	Hex. screw M6×25	4
22	Washer ø4	2	61	Hex. socket head cap screw	2
23	Hex. nut M4	2	62	Belt	1
24	Screw	1	63	Bearing bolt lower	1
25	knob	1	64	Motor	1
26	screw	1	65	Motor pulley	1
27	knob	1	66	Table trunnion lower	1
28	Leaf spring	2	67	Semicircle head screw M4×30	4
29	Lamella plug black	1	68	Lower guide mount	1
30	Knob	1	69	Pin guide seat	1
31	Hex. screw M6×12	10	70	Lower guide body	1
32	Washer ø6	20	71	Table	1
33	Safety switch	2	72	Table insert	1
34	Wing nut	2	73	Rubber washer	1
35	Washer ø4	8	74	Carriage bolt M6×30	1
36	Knob	1	75	Glide piece	1
37	Blade guard	1	76	Table trunnion upper	1
38	Roller guide carrier extrusion	1	77	Pointer	1
39	Nut M4	4	78	Pan head tapping screw	1



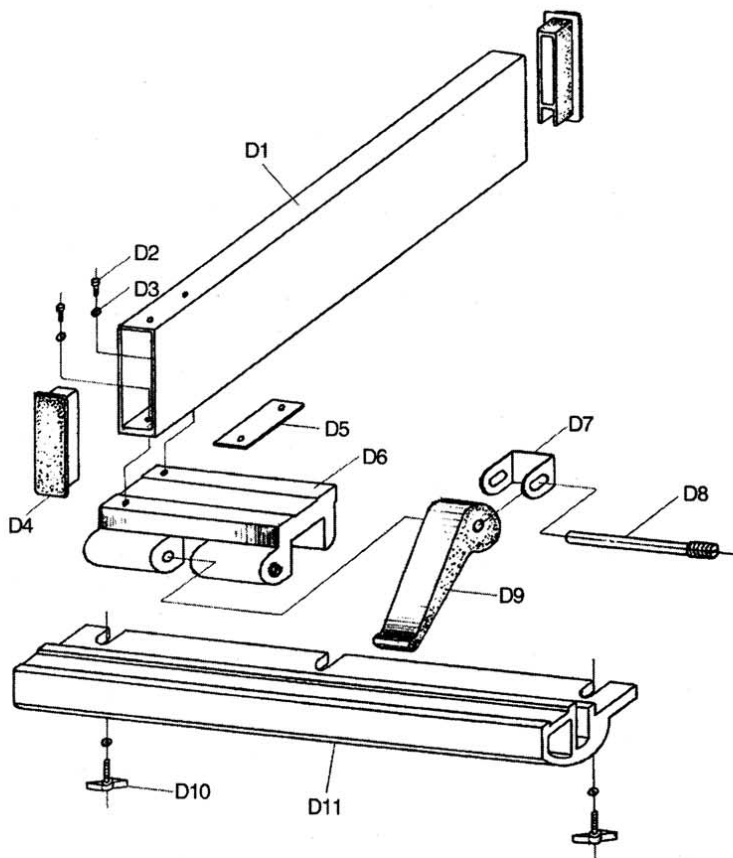
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Parts List for the Bandsaw...

NO.	Description	Q'TY	NO.	Description	Q'TY
79	Lower wheel	1			
80	Ring	4			
81	Ring -retaining	2			
82	Spacer bushing	1			
83	Brush strip	1			
84	Carriage bolt	1			
85	Hex. nut	1			
86	Blade	1			
87	Pan head cross screw	2			
88	Switch	1			
89	Rubber belt	2			
90	Handle	1			
91	Washer	1			
92	Miter gauge	1			
93	Screw	1			
94	Pointer	1			
95	Guide plate	1			
96	Screw	1			



Parts List & Breakdown for the Fence...

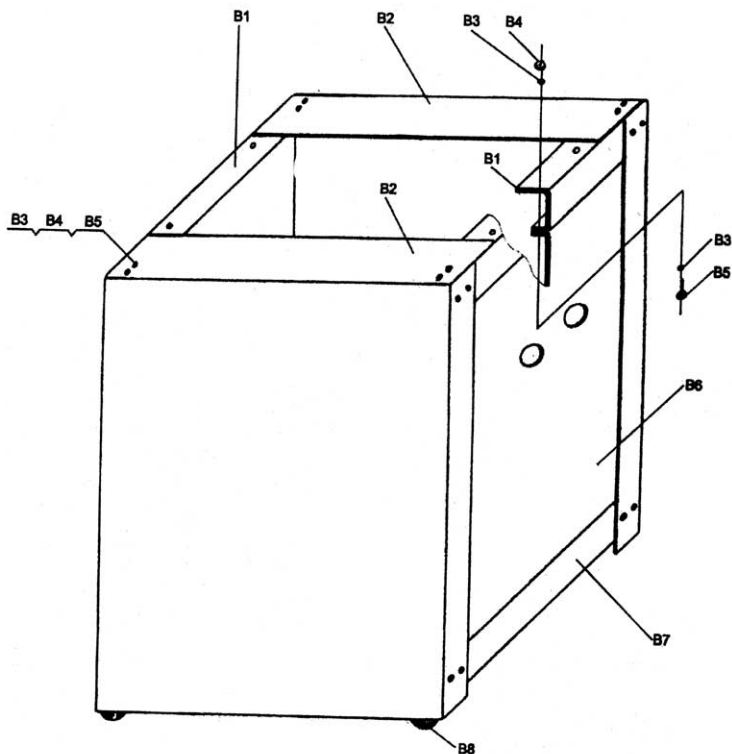


PART NO.	DESCRIPTION	QTY
D11	Side guide plate	1
D10	Butterfly bolt M6x14	2
D9	Locking handle	1
D8	Locking bar	1
D7	U clamp	1
D6	Sliding base	1
D5	Plate	1
D4	Side plastic insert	2
D3	Washer 6	4
D2	Cap screw M6x12	2
D1	Guide plate	1



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Parts List & Breakdown for the Cabinet...



PART NO.	DESCRIPTION	QTY
B8	Rubber foot	4
B7	Side connecting plate	2
B6	Side plate	2
B5	Hex bolt M6x12	36
B4	Hex nut M6	36
B3	Washer 6	72
B2	Top supporting plate	2
B1	Top connecting plate	2





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AWHBS250N Bandsaw

211532



Axminster Reference No: **AWHBS250N**

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